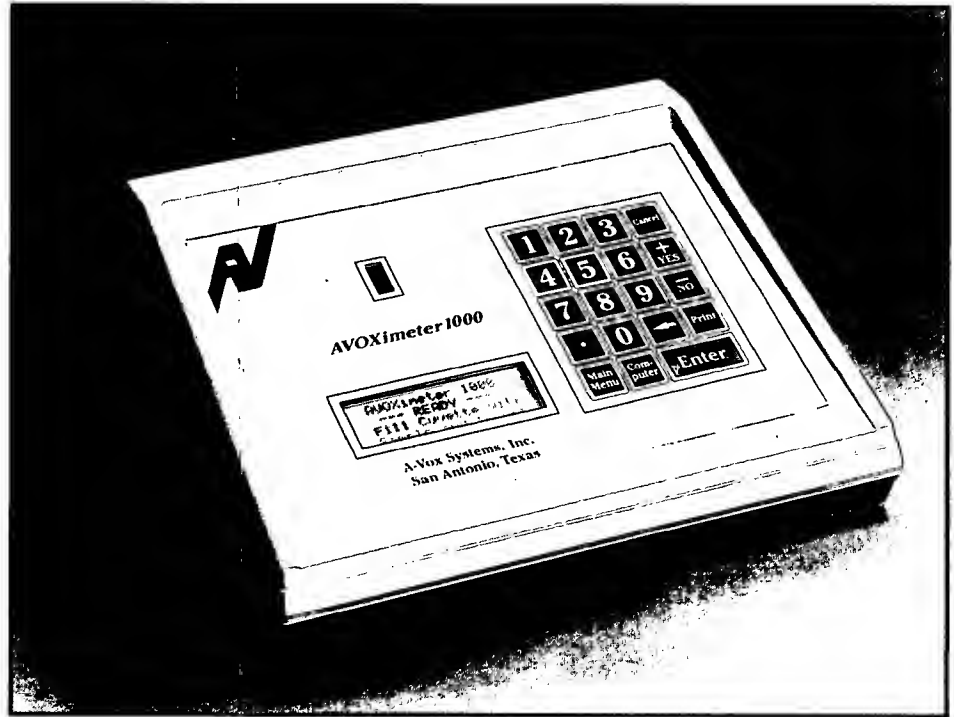# AVOXimeter 1000*

More than an oximeter
Designed specifically for the cardiac cath-lab & ICU

A-VOX Systems, Inc.
15315 Grey Fox Terrace
San Antonio, Texas, USA
78255-1210

Whole-Blood Oximeter

- Fast, accurate, inexpensive measurements:
    O₂ Saturation

    O₂ Content

    Total Hemoglobin

- No interference from Cardio-Green® dye or carboxy- or methemoglobin

- Nine computed hemodynamic variables (including Fick Principle cardiac output)

- Easy-to-use disposable cuvettes*

- No maintenance

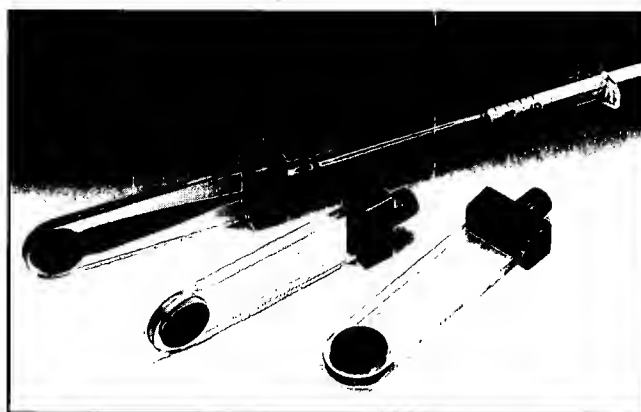- Controls for easy calibration

* patent pending

AVOXimeter 1000

An advanced oximeter for fast, accurate, inexpensive measurements

Safe, convenient, disposable cuvettes

No sample preparation.

Simply inject sample into cuvette and insert cuvette into oximeter.

Sealed disposable cuvettes eliminate maintenance and assure operator safety.

Fast, accurate results

Sample is analyzed in less than 10 seconds.

Illuminated display for easy reading in dim procedure room.

Data are stored for later analysis or printing.

```
    Sample # 1
%HbO2 =   98.6 %
[O2]  =   16.4 ml/dl
[THb] =   11.9 g/dl
```

Hemodynamic computations

Easy menu-driven operations.

Hemodynamic computations including Fick Principle cardiac output.

```
**Cardiac Output**
O2 Uptake=250 ml/min
Venous[O2]=14.0ml/dl
Art.[O2]=19.0ml/dl
```

A-VOX Systems, Inc.

15315 Grey Fox Terrace
San Antonio, Texas 78255-1210
800-225-AVOX
(800-225-2869)
210-695-8242

Specifications

Measurements and Operating Ranges

Oxyhemoglobin saturation	0-100%
Total hemoglobin concentration	4 to 25 g/dl
Oxygen content	0-35 ml O_2/dl

Accuracy

%HbO_2 saturation	1%
Total hemoglobin	
Less than 10g/dl	0.35 g/dl
More than 10g/dl	0.45 g/dl

Precision

%HbO_2 saturation	0.5%
Total hemoglobin	0.3 g/dl

Sample

Type	Whole blood
Volume	50 μl

Time per Sample   7-10 sec

Number of Wavelengths 5

Calibration   Controls

Hemodynamic   9
Computations

No Interference from
Cardio-Green dye
Bilirubin
Hemolysis
Carboxyhemoglobin
Methemoglobin
Fetal Hemoglobin

Power   115/220 VAC
                    50-60 Hz

Dimensions 10"x 8" x 3.75"
                 (25.4 x 20.4 x 9.5 cm)

Weight   4 lbs (1.8 kg)

Printer Port   Serial

Approvals
FCC	Class A
UL544	99F0